

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

## PCT

To:

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11. Okt. 2004

WV: ..... / LF: .....

**NOTIFICATION OF TRANSMITTAL OF  
INTERNATIONAL PRELIMINARY  
REPORT ON PATENTABILITY**  
(Chapter II of the Patent Cooperation Treaty)

(PCT Rule 71.1)

Date of mailing  
(day/month/year)

07-10-2004

Applicant's or agent's file reference

51045 WO

**IMPORTANT NOTIFICATION**

International application No.

PCT/IB2002/002724

International filing date (day/month/year)

11-07-2002

Priority date (day/month/year)

Applicant

Nokia Corporation  
et al

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the *PCT Applicant's Guide*.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed invention is patentable or not" (see Also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

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# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>51045 WO</b>	<b>FOR FURTHER ACTION</b> See Form PCT/IPEA/416	
International application No. <b>PCT/IB 2002/002724</b>	International filing date (day/month/year) <b>11.07.2002</b>	Priority date (day/month/year)
International Patent Classification (IPC) or national classification and IPC <b>G08B 25/10, G08G 1/13, H04B 7/00</b>		
Applicant <b>Nokia Corporation et al</b>		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising:
  - a. ☐ (sent to the applicant and to the International Bureau) a total of \_\_\_\_\_ sheets, as follows:
    - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
    - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
  - b. ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) \_\_\_\_\_, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4. This report contains indications relating to the following items:
 

<input checked="" type="checkbox"/>	Box No. I	Basis of the report
<input type="checkbox"/>	Box No. II	Priority
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI	Certain documents cited
<input checked="" type="checkbox"/>	Box No. VII	Certain defects in the international application
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application

Date of submission of the demand  <b>07.01.2004</b>	Date of completion of this report  <b>01.10.2004</b>
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. +46 8 667 72 88	Authorized officer  <b>Gordana Ninkovic /OGU</b> Telephone No. +46 8 782 25 00

## Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐

This report is based on a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of:

☐

international search (under Rules 12.3 and 23.1(b))

☐

publication of the international application (under Rule 12.4)

☐

international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

☒

the international application as originally filed/furnished

☐

the description:

pages \_\_\_\_\_

as originally filed/furnished

pages\* \_\_\_\_\_

received by this Authority on \_\_\_\_\_

pages\* \_\_\_\_\_

received by this Authority on \_\_\_\_\_

☐

the claims:

pages \_\_\_\_\_

as originally filed/furnished

pages\* \_\_\_\_\_

as amended (together with any statement) under Article 19

pages\* \_\_\_\_\_

received by this Authority on \_\_\_\_\_

pages\* \_\_\_\_\_

received by this Authority on \_\_\_\_\_

☐

the drawings:

pages \_\_\_\_\_

as originally filed/furnished

pages\* \_\_\_\_\_

received by this Authority on \_\_\_\_\_

pages\* \_\_\_\_\_

received by this Authority on \_\_\_\_\_

☐

a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

☐

the description, pages \_\_\_\_\_

☐

the claims, Nos. \_\_\_\_\_

☐

the drawings, sheets/figs \_\_\_\_\_

☐

the sequence listing (*specify*): \_\_\_\_\_

☐

any table(s) related to the sequence listing (*specify*): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

☐

the description, pages \_\_\_\_\_

☐

the claims, Nos. \_\_\_\_\_

☐

the drawings, sheets/figs \_\_\_\_\_

☐

the sequence listing (*specify*): \_\_\_\_\_

☐

any table(s) related to the sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	<u>2-18, 20-26</u>	YES
	Claims	<u>1, 19, 27-29</u>	NO
Inventive step (IS)	Claims		YES
	Claims	<u>1-29</u>	NO
Industrial applicability (IA)	Claims	<u>1-29</u>	YES
	Claims		NO

**2. Citations and explanations (Rule 70.7)****Documents cited in the International Search Report:**

D1 EP 1143400 A1 (Matsushita Electric Ind Co, Ltd), 10 October 2001

D2 WO 0163318 A1 (Advanced Business Sciences, Inc), 30 August 2001

D3 US 2001027378 A1 (L.L. Tennison et al), 4 October 2001

D4 US 5446445 A (J.W. Bloomfield et al), 29 August 1995

D5 US 5200735 A (T.N. Hines), 6 April 1993

The most relevant documents are D1-D3. Documents D4 and D5 represent the state of the art.

Document D1 discloses an on-board communication terminal that secures a report to an information service center. The on-board terminal includes location information detecting means, state sensor for detecting an abnormal state, first radio communication means for transmitting predetermined data including state information, location information and a terminal ID to the information service center on occurrence of a predetermined event, and second radio communication means for providing radio communications between the on-board terminal and the mobile terminal. The mobile terminal includes also a radio communication means and further location information detecting means, a state sensor and a data retaining means for temporarily storing and processing data. Thus, by combination of the on-board terminal and the mobile terminal, the crew can report to the information service center when a predetermined event has occurred. (See column 3, line 38-column 6, line 23; abstract; fig.1-10).

.../...

## Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: BOX V.

Document D2 discloses an apparatus and method of monitoring mobile objects or persons utilizing Global Positioning System satellites and cellular telephone communications. The apparatus includes at least one remote unit adapted to be worn on the monitored person or object, comprising position and data sensors as well as the transmitter device to transmit the information back to a central tracking station. The remote unit may be operative to monitor and store many data items such as system integrity, motion, temperature, and the like in addition to position and comprises also a processor module for processing said data. This data would then be transmitted back to a central monitoring station operative to receive, process and display the information. (See page 8, line 2-page 9, line 8; page 10, line 8-page 15, line 19; abstract; fig.1-15).

Document D3 discloses a system for collecting and reporting mobile platform related data. A mobile platform includes a GPS receiver system to collect position related information and sensors to collect platform operational information, as well as a control processor for storing and processing information for periodic transmission over a wireless communications link to a remote location. The control processor is configured to periodically engage in data collection from the GPS receiver system and sensors and remotely report collected information over the wireless communications link. At the remote location, a central controller receives the mobile platform reported information for processing in accordance with tracking management applications. An interface to the central controller allows a user to control the information collection and reporting operations of the control processor in the mobile platform. (See the whole document).

According to what is known from each of documents D1 - D3 the main idea of the invention defined in claims 1,19 and 27-29 is appeared to be known. Therefore the invention claimed in claims 1,19 and 27-29 lacks novelty.

Remaining claims only contain features which are either disclosed in cited documents or are not considered to go beyond what can be expected from a person skilled in the art, especially since the advantages thus achieved can be readily contemplated in advance. Therefore the subject matter of these claims is not considered to involve an inventive step.

The invention is considered to be industrially applicable.

**Box No. VII** Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

References to previous claims are missing in claims 17 and 18.